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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR			TTORNEY DOCKET NO.
09/217,03	35 12/21/98	3 ZHANG		Y	D/98718
_		WM31/073	o ¬	E	XAMINER
JOHN E. BECK			*	BRINICH,S	
XEROX CORPORATION XEROX SQUARE 20A				ART UNIT	PAPER NUMBER
	NY 14644	·		2624	2
				DATE MAILED:	07/30/01

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

		Application No.	Applicant(s)			
,	•	09/217,035	ZHANG ET AL.			
Office Action Summary		Examiner	Art Unit			
		Stephen M Brinich	2624			
	- The MAILING DATE of this communication app		correspondence address			
Period fo		(10 000 00 00 00 00 00 00 00 00 00 00 00	(a) <b>5</b> 00.4			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status						
1) 🗌	Responsive to communication(s) filed on					
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ Th	is action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)	4) Claim(s) 1-20 is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) <u>17-20</u> is/are allowed.						
6) Claim(s) <u>1</u> is/are rejected.						
7) 🗌	Claim(s) <u>2-16</u> is/are objected to.					
8) 🗌	Claim(s) are subject to restriction and/or	r election requirement.				
Application	on Papers					
9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
<ul> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) ☐ The translation of the foreign language provisional application has been received.  15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)			
LS Patent and Tr	adamark Office					

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### DETAILED ACTION

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
- 2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Ragland et al.

Ragland et al. discloses (Figure 4) an image compactor in which all pixels within an image window (inherently including all horizontal, vertical, and corner features therein) are compacted into a reduced image.

## Allowable Subject Matter

- 3. Claims 2-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 17-20 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter:

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Re claims 2, 6, 10 (and dependent claims 3-5, 7, & 11-16), the detection of diffuse edges and selective shifting of gray from pixels not adjacent to saturated pixels to pixels adjacent to saturated pixels is not taught or suggested by the art of record.

Re claims 8 & 19 (and dependent claims 9 & 20), the detection of diffuse edges and selective shifting of gray based on the result of this detection is not taught or suggested by the art of record.

Re claim 17 (and dependent claims 18-20), the detection of diffuse edges and compacting of pixels within the diffuse edge is not taught or suggested by the art of record.

### Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Whiteman et al, Shiau et al, Schweid, Rumph et al, Kojima, and Ben Dror et al. disclose examples of image compaction and gray-level processing.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich whose telephone number is 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore, can be reached at 703-308-7452. The fax numbers for the organization where this application or proceeding is assigned are 703-308-5397 for regular communications and 703-308-5397 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

Stephen M Brinich

Examiner

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smb July 26, 2001